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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,748	12/22/2005	Yves Dordet	0563-1044	5071
466	7590	06/11/2007		
YOUNG & THOMPSON 745 SOUTH 23RD STREET 2ND FLOOR ARLINGTON, VA 22202			EXAMINER FAYYAZ, NASHMIYA SAQIB	
			ART UNIT 2856	PAPER NUMBER
			MAIL DATE 06/11/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/538,748

Applicant(s)

DORDET, YVES

Examiner

Nashmiya S. Fayyaz

Art Unit

2856

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 6/14/05.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. As to claims 1-7, there are many instances of recitation of "this" which should be changed to the proper phraseology of "said" or "the" eg. in claim 1, on line 7, "this wall", on line 8, "this orifice" etc. Again, note that the recitation of "this" is throughout the claims and for the sake of brevity, all instances have not been indicated. Also, the claims are very narrative and need to be clarified as to what is being claimed such as the recitation of the phrase "being intended to" as on line 9 of claim 1. Further, it appears various elements are being doubly claimed such as the "bearing surface" appears to be the same as the "part" on line 26. Further, in the recitation of "additional means", it is unclear what the function of "additional" is. Furthermore, on line 4 of claim 2, "intended to come" is not clear. On line 9, isn't "the nut" the same as the bearing surface and part of claim 1? On line 12, "it" is unclear as to what it is referring to. In claim 3, it is unclear how on line 3, the collar can be recited as "structurally independent" of the cylinder head. The two

appear to be attached. On line 5, "intended to" is unclear. On line 11, is "a mechanical link" the same as that already recited in claim 1? On line 13, again is "a pressing and attachment member" the same as the other elements of claim 1 such as "bearing surface" or "part"? In claim 4, note on line 4, reference to "said part" is unclear as to how it is defined by the shoulder. Further, claim 6 appears to refer to the figure 4 embodiment where it is unclear how the collar is recited as "fixed" to the cylinder head. Again, please note, the above list is not all-inclusive and a complete review and revision is in order.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Harada-US Patent # 4,392,082. As to claim 1, as best understood, Harada discloses a pressure sensitive ignition plug sensing pressure of a cylinder of an internal combustion engine including functional member (insulator 6), in orifice of cylinder head (1) of an engine, sensor (17) for sensing pressure which is pressed

against part (maximum diameter portion 14) via bearing surface (screw 17), additional means (plug body 2 with sheath 30), see fig. 1 and col. 2, lines 50 et seq. As to claim 2, part (below 14) is mounted freely in collar (plug body 2), and nut (screw 27), see again fig. 1. As to claim 3, note collar (plug body 2) having attachment means (threads 4) on the plug body for attaching to wall of orifice with screw 27 as a pressing and attachment member. As to claim 4, note shoulder (maximum diameter 14) and sensor 17. As to claims 5 and 7, plug body 2 has a collar in the shape of a hollow cylinder with two different diameters, see fig. 1. As to claim 6, note plug body 2 with sensor 17 with threaded part 4 contacting the orifice.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional prior art cited on PTO-892 include Kleinchmidt et al who also discloses a pressure sensor for an engine including a pressure sensor housing 17 with a freely movable plunger 26.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nashmiya S. Fayyaz whose telephone number is 571-272-2192. The examiner can normally be reached on Mondays and Thursdays.

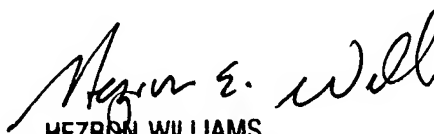
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E. Williams can be reached on 571-272-2208. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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Art Unit 2856

nf  
6/7/07



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